Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/29/2018 09:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126044	0	2.16	126090	2.16
Blue	F	SSC	125000	124126	-1	3.76	124847	3.84
Blue	E	FITC	15492	15101	-3	3.85	350	22.46
Blue	D	PE	28736	28036	-3	3.04	618	16.35
Blue	B	PerCP-Cy5-5	41413	41104	-1	4.74	1127	23.32
Blue	A	PE-Cy7	31321	31443	0	7.24	569	48.50
Red	C	APC	41673	40768	-3	2.95	1577	13.31
Red	A	APC-Cy7	29962	29527	-2	2.87	742	13.90
Violet	B	V450	8318	7864	-6	4.76	435	15.31
Violet	A	V500	34199	33463	-3	4.42	803	11.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20569	4.01	610	-3	N/A	N/A	Pass
Blue	F	SSC	56131	3.08	576	8	N/A	N/A	Pass
Blue	E	FITC	59	76.03	559	-2	0.0153	203	Pass
Blue	D	PE	122	60.40	558	-2	0.1479	386	Pass
Blue	B	PerCP-Cy5-5	207	56.27	665	-2	0.0071	38	Pass
Blue	A	PE-Cy7	112	120.21	721	-1	0.0087	25	Pass
Red	C	APC	358	28.74	601	0	0.0195	145	Pass
Red	A	APC-Cy7	184	31.42	577	1	0.0047	1148	Pass
Violet	B	V450	65	71.66	477	0	0.0376	2128	Pass
Violet	A	V500	115	39.54	496	2	0.0201	1189	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.35	-31.95	1.10
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.52
Red	17.06	13.60 - 20.40	N/A	N/A	29.14	29.61	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11081

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments